

LAPORAN PWL_POS



Disusun oleh:

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JURUSAN TEKNOLOGI INFORMASI
PROGRAM STUDI TEKNIK INFORMATIKA
MALANG 2025

Praktikum 1 – Integrasi Laravel dengan AdminLTE3

1. Dalam root folder project lakukan command berikut, untuk mendefinisikan requirement project. composer require jeroennoten/laravel-adminlte

```
C:\Windows\System32\cmd.e  X  +  v  -  □  X

l-adminlte
./composer.json has been updated
Running composer update jeroennoten/laravel-adminlte
Loading composer repositories with package information
Updating dependencies
Lock file operations: 2 installs, 0 updates, 0 removals
  - Locking almasaeed2010/adminlte (v3.2.0)
  - Locking jeroennoten/laravel-adminlte (v3.15.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
  - Downloading almasaeed2010/adminlte (v3.2.0)
  - Downloading jeroennoten/laravel-adminlte (v3.15.0)
  - Installing almasaeed2010/adminlte (v3.2.0): Extracting archive
  - Installing jeroennoten/laravel-adminlte (v3.15.0): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

jeroennoten/laravel-adminlte ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

82 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish--tag=laravel-assets --ansi --force

 INFO  No publishable resources for tag [laravel-assets].

Found 1 security vulnerability advisory affecting 1 package.
Run "composer audit" for a full list of advisories.
Using version ^3.15 for jeroennoten/laravel-adminlte

C:\laragon\www\PWL-2025\minggu_5\PWL_POS> Show desktop
```

2. Melakukan instalasi requirement project di atas dengan command berikut: php artisan adminlte:install

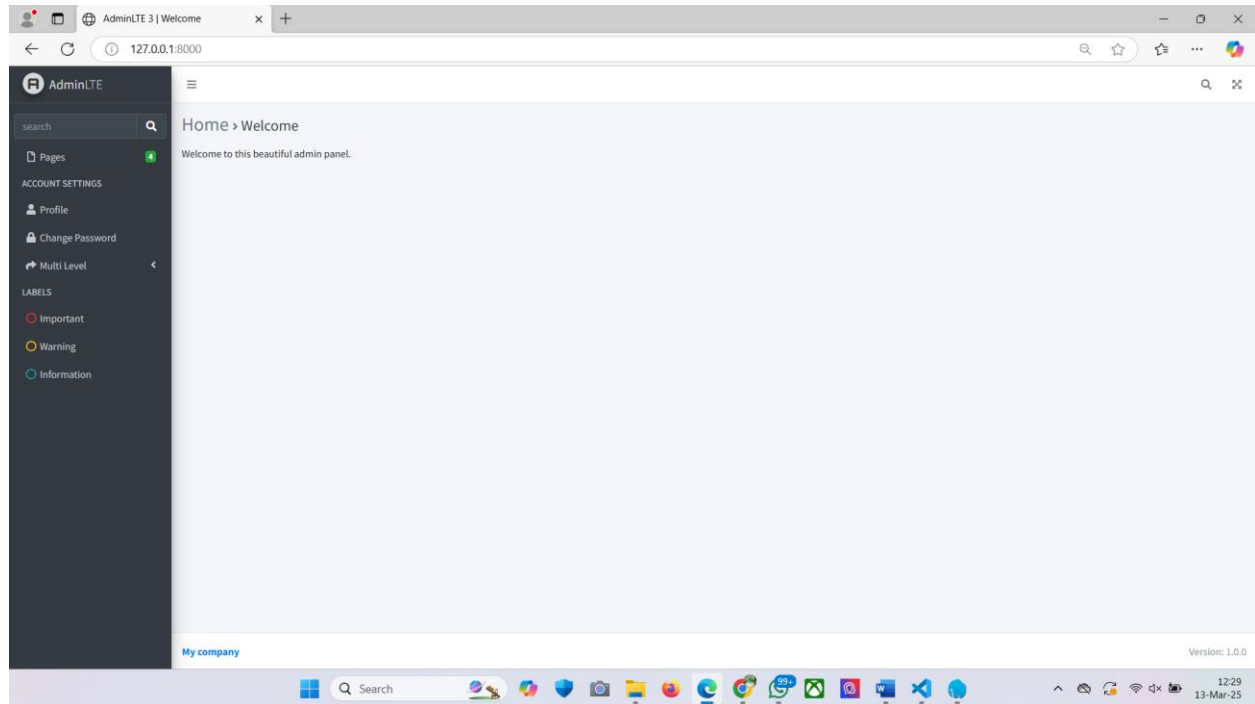
```
C:\laragon\www\PWL-2025\minggu_5\PWL_POS>php artisan adminlte:install
AdminLTE assets files published successfully
Configuration file published successfully
Translation files published successfully
The installation is complete.

C:\laragon\www\PWL-2025\minggu_5\PWL_POS>|
```

3. Edit resources/views/welcome.blade.php.

```
LaporanJS4.md  app.blade.php U  welcome.blade.php M X
minggu_5 > PWL_POS > resources > views > welcome.blade.php
1  @extends('layout.app')
2
3  {{-- Customize layout sections --}}
4  @section('subtitle', 'Welcome')
5  @section('content_header_title', 'Home')
6  @section('content_header_subtitle', 'Welcome')
7
8  {{-- Content body: main page content --}}
9  @section('content_body')
10 |     <p>Welcome to this beautiful admin panel.</p>
11 @stop
12
13 {{-- Push extra CSS --}}
14 @push('css')
15 |     {{-- Add here extra stylesheets --}}
16 |     {{-- <link rel="stylesheet" href="/css/admin_custom.css"> --}}
17 @endpush
18
19 {{-- Push extra scripts --}}
20 @push('js')
21 |     <script> console.log("Hi, I'm using the Laravel-AdminLTE package!"); </script>
22 @endpush
```

4. Hasil:



Praktikum 2 – Integrasi dengan DataTables

1. Install Laravel DataTables

```
PS C:\laragon\www\PWL-2025\minggu_5\PWL_P05> composer require yajra/laravel-datatables:^10.0
The "10.0" constraint for "yajra/laravel-datatables" appears too strict and will likely not match what you want. See https://getcomposer.org/constraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
- Locking league/fractal (0.20.2)
- Locking yajra/laravel-datatables (v10.0.0)
- Locking yajra/laravel-datatables-buttons (v10.0.9)
- Locking yajra/laravel-datatables-editor (v1.25.4)
- Locking yajra/laravel-datatables-fractal (v10.0.0)
- Locking yajra/laravel-datatables-html (v10.12.0)
- Locking yajra/laravel-datatables-oracle (v10.11.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 7 installs, 0 updates, 0 removals
- Downloading yajra/laravel-datatables-oracle (v10.11.4)
- Downloading yajra/laravel-datatables-html (v10.12.0)
- Downloading league/fractal (0.20.2)
- Downloading yajra/laravel-datatables-fractal (v10.0.0)
- Downloading yajra/laravel-datatables-editor (v1.25.4)
- Downloading yajra/laravel-datatables-buttons (v10.0.9)
- Downloading yajra/laravel-datatables (v10.0.0)
- Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
- Installing yajra/laravel-datatables-html (v10.12.0): Extracting archive
- Installing league/fractal (0.20.2): Extracting archive
- Installing yajra/laravel-datatables-fractal (v10.0.0): Extracting archive
- Installing yajra/laravel-datatables-editor (v1.25.4): Extracting archive
- Installing yajra/laravel-datatables-buttons (v10.0.9): Extracting archive
- Installing yajra/laravel-datatables (v10.0.0): Extracting archive
See details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
> @php artisan package:discover --ansi

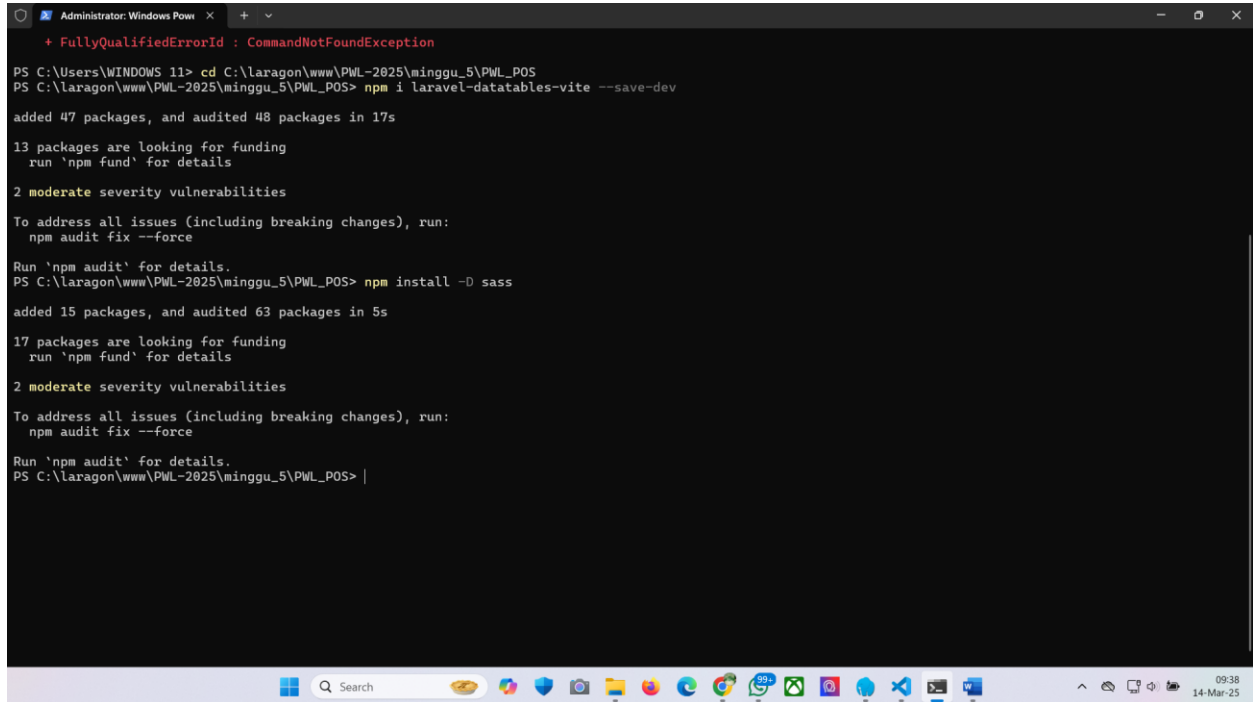
INFO Discovering packages.

INFO Discovering packages.
INFO Discovering packages.
```

2. Install Laravel DataTables Vite dan sass

`npm i laravel-datatables-vite --save-dev`

`npm install -D sass`



```
Administrator: Windows PowerShell
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\WINDOWS 11> cd C:\laragon\www\PWL-2025\minggu_5\PWL_POS
PS C:\laragon\www\PWL-2025\minggu_5\PWL_POS> npm i laravel-datatables-vite --save-dev

added 47 packages, and audited 48 packages in 17s

13 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
PS C:\laragon\www\PWL-2025\minggu_5\PWL_POS> npm install -D sass

added 15 packages, and audited 63 packages in 5s

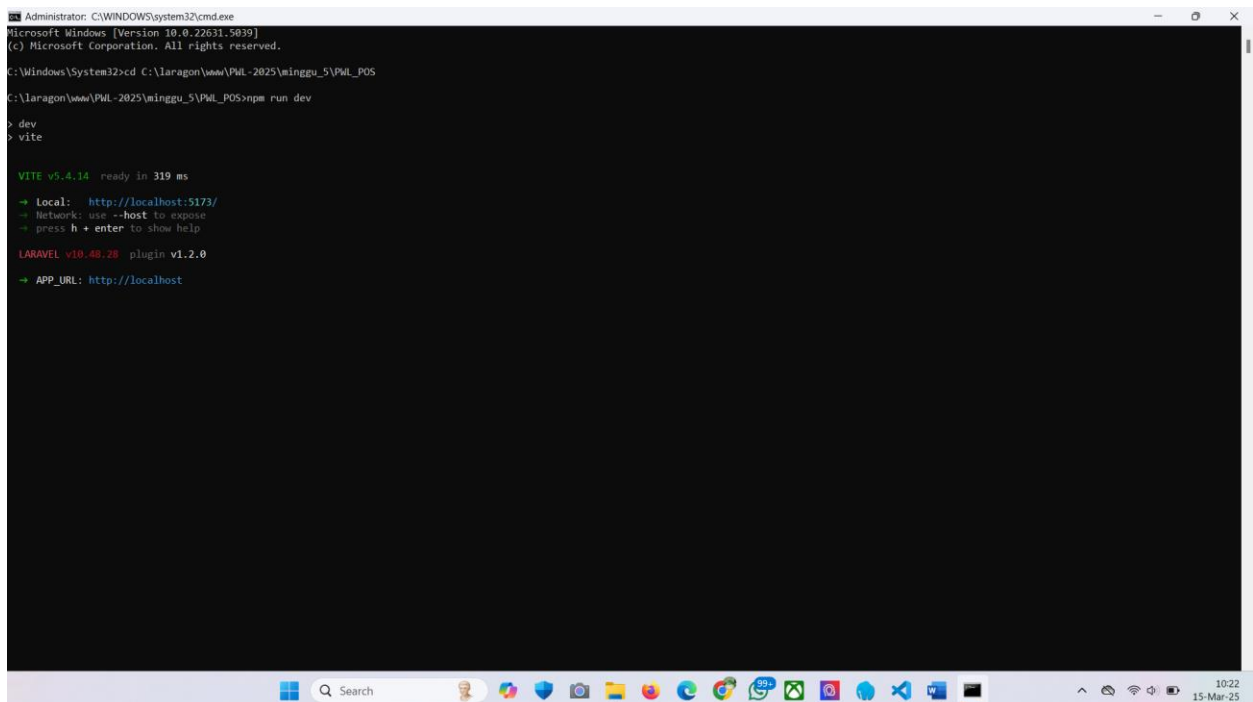
17 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
PS C:\laragon\www\PWL-2025\minggu_5\PWL_POS> |
```

3. Jalankan dengan npm run dev



```
Administrator: C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.5039]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:\laragon\www\PWL-2025\minggu_5\PWL_POS
C:\laragon\www\PWL-2025\minggu_5\PWL_POS>npm run dev

> dev
> vite

VITE v5.4.14 ready in 319 ms
  -> Local:   http://localhost:5173/
  -> Network: use --host to expose
  -> press h + enter to show help

LARAVEL v10.48.28 plugin v1.2.0
  -> APP_URL: http://localhost
```

4. Hasil:

AdminLTE 3 | Kategori

localhost / localhost / pw_pos / ...

127.0.0.1:8000/kategori

Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	KAT1	Elektronik		
2	KAT2	Pakaian		
3	KAT3	Makanan		
4	KAT4	Perabot		
5	KAT5	Kosmetik		
7	CML	Cemilan	2024-03-09T10:30:00.000000Z	
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	

Showing 1 to 7 of 7 entries

13:39 15-Mar-25

Praktikum 3 – Membuat form kemudian menyimpan data dalam database

1. Menyesuaikan routing, tambahkan dua routing berikut

```
Route::post('/kategori', [KategoriController::class, 'store']);
Route::get('/kategori/create', [KategoriController::class, 'create']);
```

2. Tambahkan dua function berikut dalam KategoriController

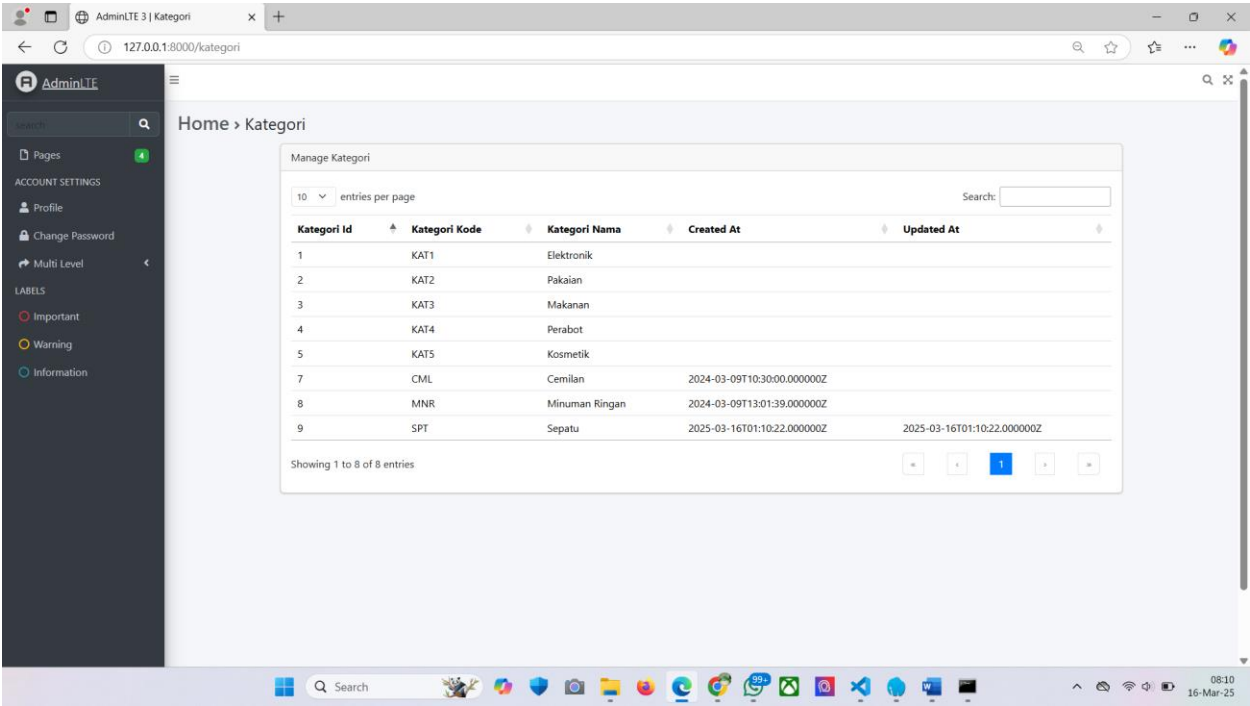
```
public function create(): Factory|View {
    return view(view: 'kategori.create');
}

1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comr
public function store(Request $request): Redirector|Red
    KategoriModel::create([
        'kategori_kode' => $request->kodeKategori,
        'kategori_nama' => $request->namaKategori,
    ]);
    return redirect(to: '/kategori');
}
```

3. Membuat form untuk create

```
minggu_5 > PWL_POS > resources > views > kategori > create.blade.php
1  @extends('layout.app')
2
3  {{-- Customize layout sections --}}
4  @section('subtitle', 'Kategori')
5  @section('content_header_title', 'Kategori')
6  @section('content_header_subtitle', 'Create')
7
8  {{-- Content body: main page content --}}
9  @section('content')
10     <div class="container">
11         <div class="card card-primary">
12             <div class="card-header">
13                 <h3 class="card-title">Buat kategori baru</h3>
14             </div>
15             <form method="post" action="..../kategori">
16                 <div class="card-body">
17                     <div class="form-group">
18                         <label for="kodeKategori">Kode Kategori</label>
19                         <input type="text" class="form-control" id="kodeKategori" name="kodeKategori" placeholder>
20                     </div>
21                     <div class="form-group">
22                         <label for="namaKategori">Nama Kategori</label>
23                         <input type="text" class="form-control" id="namaKategori" name="namaKategori" placeholder>
24                     </div>
25                 </div>
26                 <div class="card-footer">
27                     <button type="submit" class="btn btn-primary">Submit</button>
28                 </div>
29             </form>
30         </div>
31     </div>
32 @endsection
```


4. Hasil:



Tugas Praktikum

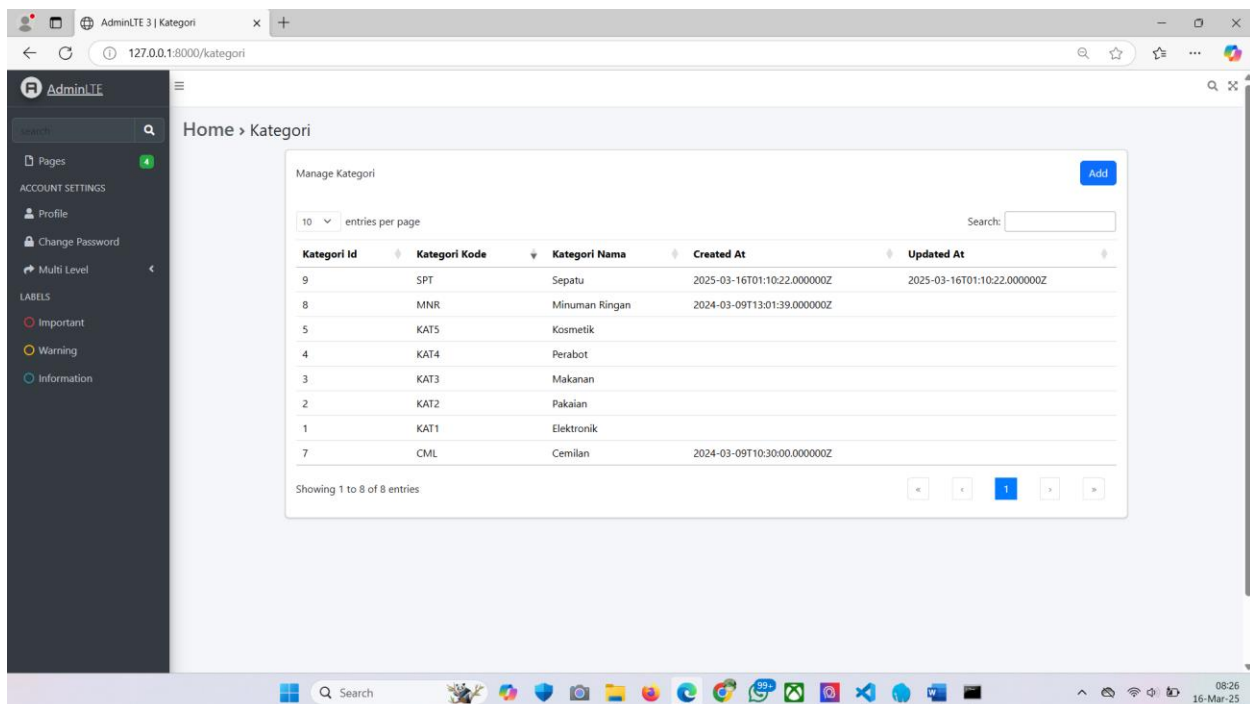
1. Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru

Menambahkan div di kategori

Kode:

```
minggu_5 > PWL_POS > resources > views > kategori > index.blade.php
1  @extends('layout.app')
2
3  {{-- Customize layout sections --}}
4
5  @section('subtitle', 'Kategori')
6  @section('content_header_title', 'Home')
7  @section('content_header_subtitle', 'Kategori')
8
9  @section('content')
10     <div class="container">
11         <div class="card">
12             <div class="d-flex justify-content-between align-items-center p-3">
13                 <span>Manage Kategori</span>
14                 <a href="{{ route('kategori.create') }}" class="btn btn-primary">Add</a>
15             </div>
```

Hasil:



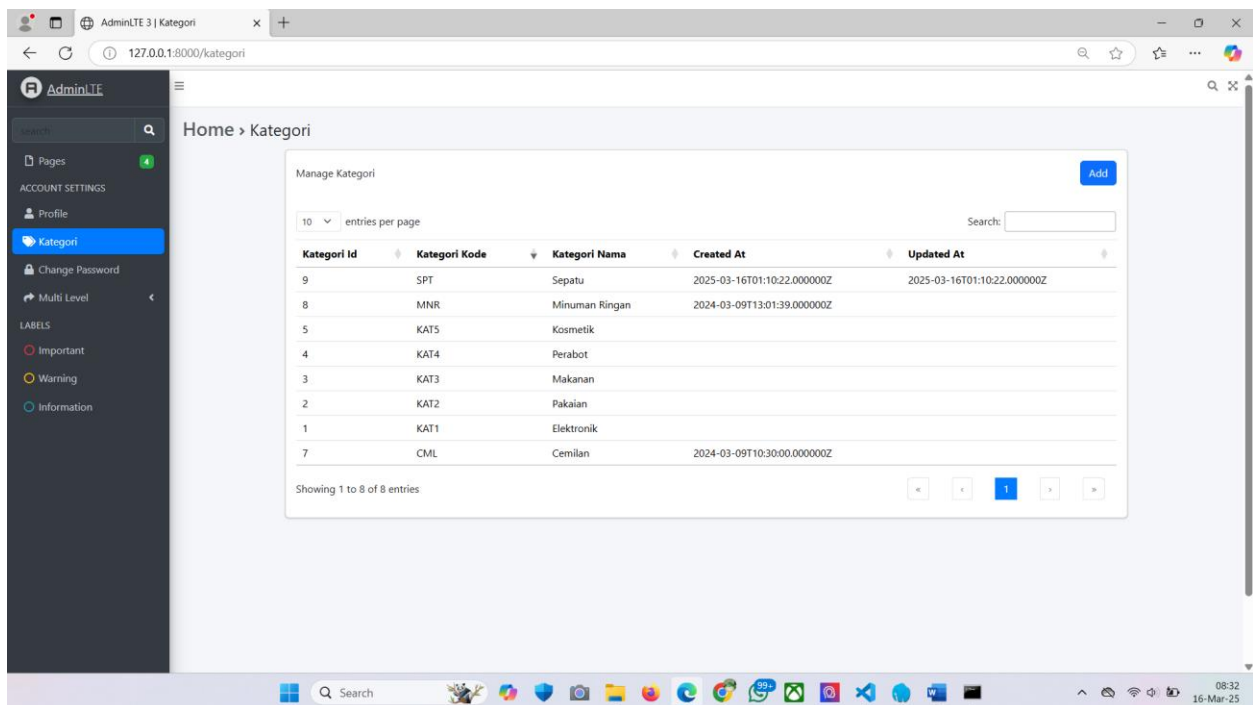
2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

Menambahkan data di config

Kode:

```
minggu_5 > PWL_POS > config > adminlte.php
3   return [
311  ],
316      'text' => 'search',
317  ],
318  [
319      'text' => 'blog',
320      'url' => 'admin/blog',
321      'can' => 'manage-blog',
322  ],
323  [
324      'text' => 'pages',
325      'url' => 'admin/pages',
326      'icon' => 'far fa-fw fa-file',
327      'label' => 4,
328      'label_color' => 'success',
329  ],
330  ['header' => 'account_settings'],
331  [
332      'text' => 'profile',
333      'url' => 'admin/settings',
334      'icon' => 'fas fa-fw fa-user',
335  ],
336  [
337      'text' => 'Kategori',
338      'url' => 'kategori',
339      'icon' => 'fas fa-tags',
340  ],
```

Hasil:



The screenshot shows the AdminLTE 3 web application interface. The sidebar on the left contains a search bar and a list of menu items: Pages, ACCOUNT SETTINGS, Profile, Kategori (highlighted), Change Password, Multi Level, and LABELS (Important, Warning, Information). The main content area is titled 'Home > Kategori' and contains a 'Manage Kategori' section. This section includes a search bar, a dropdown for 'entries per page' (set to 10), and a table with 8 entries. The table columns are 'Kategori Id', 'Kategori Kode', 'Kategori Nama', 'Created At', and 'Updated At'. The entries are as follows:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
9	SPT	Sepatu	2025-03-16T01:10:22.000000Z	2025-03-16T01:10:22.000000Z
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	
5	KAT5	Kosmetik		
4	KAT4	Perabot		
3	KAT3	Makanan		
2	KAT2	Pakaian		
1	KAT1	Elektronik		
7	CML	Cemilan	2024-03-09T10:30:00.000000Z	

At the bottom of the table, it says 'Showing 1 to 8 of 8 entries'.

3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya

Kode: Menambahkan form edit

```
minggu_5 > PWL_POS > resources > views > kategori > edit.blade.php
1  @extends('adminlte::page')
2
3  @section('title', 'Edit Kategori')
4
5  @section('content_header')
6      <h1>Edit Kategori</h1>
7  @stop
8
9  @section('content')
10     <div class="container">
11         <div class="card">
12             <div class="card-header">Edit Kategori</div>
13             <div class="card-body">
14                 <form action="{{ route('kategori.update', parameters: $kategori->kategori_id) }}" method="POST">
15                     @csrf
16                     @method('PUT')
17                     <div class="form-group">
18                         <label for="kodeKategori">Kode Kategori</label>
19                         <input type="text" class="form-control" name="kodeKategori" id="kodeKategori" value="{{ $kategori->kategori_kode }}" required>
20                     </div>
21                     <div class="form-group">
22                         <label for="namaKategori">Nama Kategori</label>
23                         <input type="text" class="form-control" name="namaKategori" id="namaKategori" value="{{ $kategori->kategori_nama }}" required>
24                     </div>
25                     <button type="submit" class="btn btn-primary">Simpan Perubahan</button>
26                 </form>
27             </div>
28         </div>
29     </div>
30 @stop
```

Kode: Menambahkan 2 function di controller

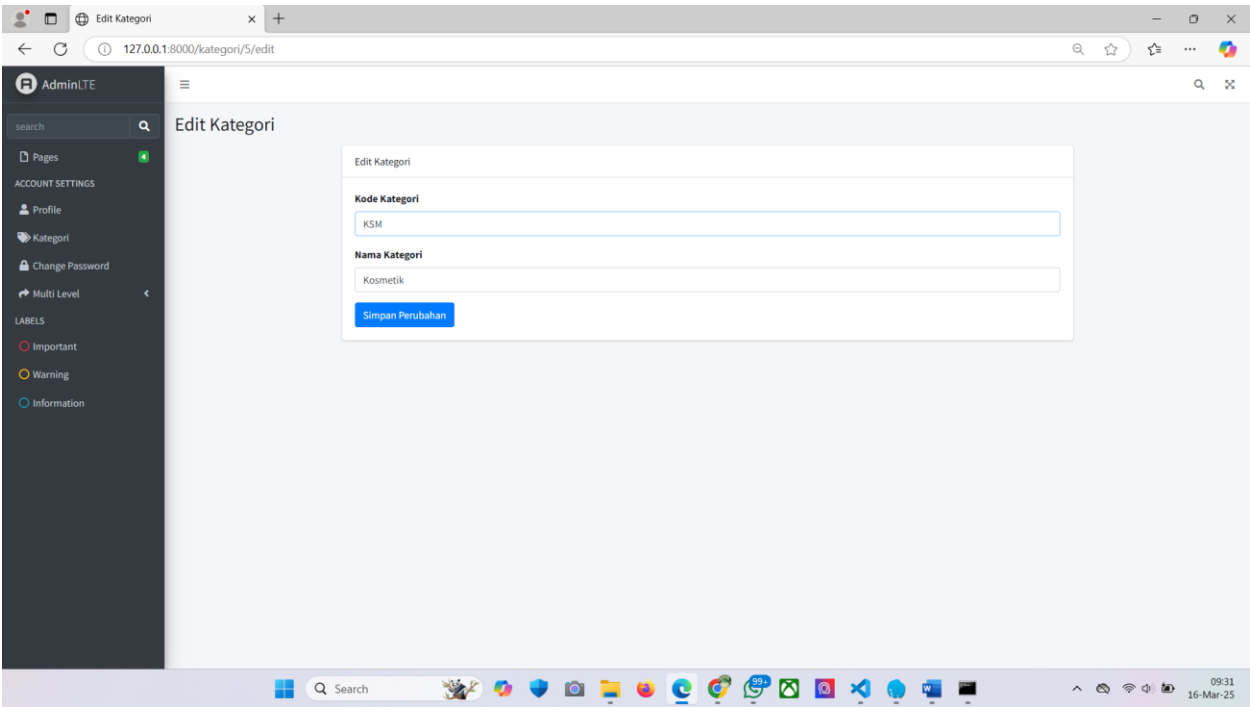
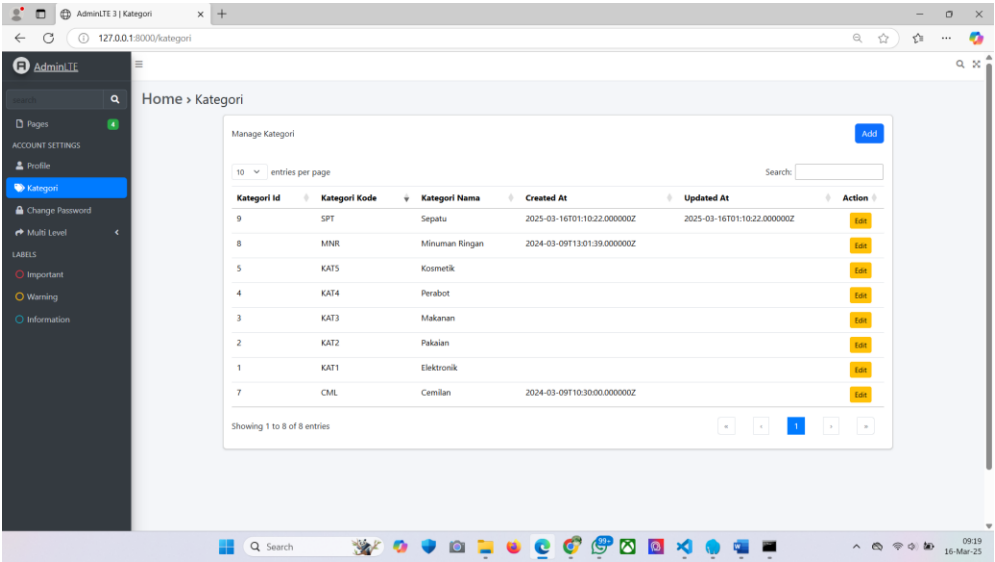
```
public function edit($id): Factory|View
{
    $kategori = KategoriModel::findOrFail($id);
    return view('kategori.edit', data: compact('kategori'));
}

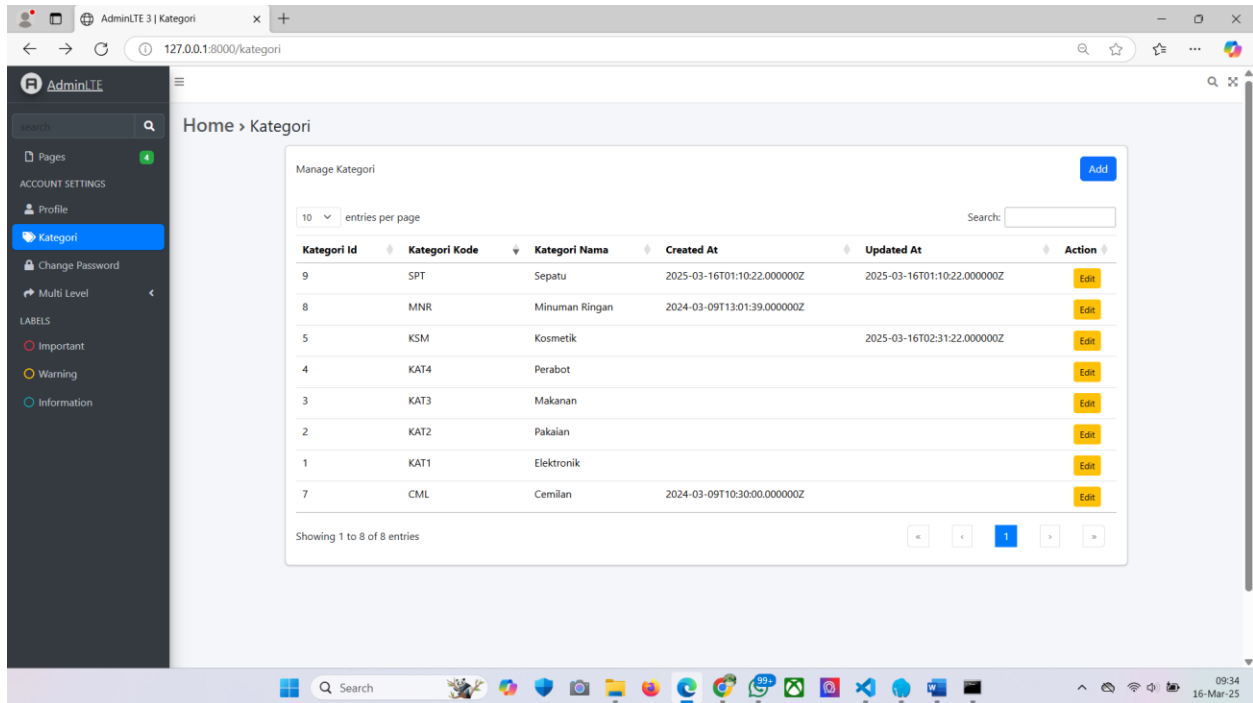
1 reference | 0 overrides | Codeium: Refactor | Explain | Generate Function Comment | X
public function update(Request $request, $id): RedirectResponse
{
    $request->validate([
        'kodeKategori' => 'required|max:255',
        'namaKategori' => 'required|max:255',
    ]);

    $kategori = KategoriModel::findOrFail($id);
    $kategori->update([
        'kategori_kode' => $request->kodeKategori,
        'kategori_nama' => $request->namaKategori,
    ]);

    return redirect()->route('kategori.index')->with('success', 'Kategori berhasil diperbarui');
}
```

Hasil:





4. Tambahkan action delete di datatables serta controllernya

Kode: Menambahkan function delete di controller

```
public function destroy($id): RedirectResponse
{
    $kategori = KategoriModel::findOrFail($id);
    $kategori->delete();

    return redirect()->route('kategori.index')->with('success', 'Kategori berhasil dihapus');
}
```

Kode: Menambah button di index

```
minggu_5 > PWL_POS > app > DataTables > KategoriDataTable.php > KategoriDataTable > dataTable()
13 use Yajra\DataTables\Html\Editor\Fields;
14 use Yajra\DataTables\Services\DataTable;
15
16 class KategoriDataTable extends DataTable
17 {
18     /**
19      * Build the DataTable class.
20      *
21      * @param QueryBuilder $query Results from query() method.
22      */
23     public function dataTable(QueryBuilder $query): EloquentDataTable
24     {
25         return (new EloquentDataTable($query))
26             ->addColumn('action', function ($row): string {
27                 $editUrl = route('kategori.edit', parameters: ['id' => $row->kategori_id]);
28                 $deleteUrl = route('kategori.destroy', parameters: ['id' => $row->kategori_id]);
29
30                 return '
31                     <a href="' . $editUrl . '" class="btn btn-warning btn-sm">
32                         <i class="fas fa-edit"></i> Edit
33                     </a>
34                     <form action="' . $deleteUrl . '" method="POST" style="display:inline;" onsubmit="return confirm(\'' . 'Apakah Anda yakin ingin menghapus kategori ini?' . '\');">
35                         <input type="button" value="Delete" class="btn btn-danger btn-sm">
36                         <i class="fas fa-trash"></i> Hapus
37                     </form>
38                 '
39             );
40         }->setRowId('id');
41     }
42 }
43
```

Hasil:

AdminLTE

Search

Pages

ACCOUNT SETTINGS

Profile

Kategori

Change Password

Multi Level

LABELS

Important

Warning

Information

Home > Kategori

Manage Kategori

10

entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
9	SPT	Sepatu	2025-03-16T01:10:22.000000Z	2025-03-16T01:10:22.000000Z	<div>Edit</div> <div>Hapus</div>
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		<div>Edit</div> <div>Hapus</div>
5	KSM	Kosmetik		2025-03-16T02:31:22.000000Z	<div>Edit</div> <div>Hapus</div>
4	KAT4	Perabot			<div>Edit</div> <div>Hapus</div>
3	KAT3	Makanan			<div>Edit</div> <div>Hapus</div>
2	KAT2	Pakaian			<div>Edit</div> <div>Hapus</div>
1	KAT1	Elektronik			<div>Edit</div> <div>Hapus</div>
7	CML	Cemilan	2024-03-09T10:30:00.000000Z		<div>Edit</div> <div>Hapus</div>

Showing 1 to 8 of 8 entries

Add

AdminLTE

Search

Pages

ACCOUNT SETTINGS

Profile

Kategori

Change Password

Multi Level

LABELS

Important

Warning

Information

Home > Kategori

Manage Kategori

10

entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
9	SPT	Sepatu	2025-03-16T01:10:22.000000Z	2025-03-16T01:10:22.000000Z	<div>Edit</div> <div>Hapus</div>
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		<div>Edit</div> <div>Hapus</div>
5	KSM	Kosmetik		2025-03-16T02:31:22.000000Z	<div>Edit</div> <div>Hapus</div>
4	KAT4	Perabot			<div>Edit</div> <div>Hapus</div>
3	KAT3	Makanan			<div>Edit</div> <div>Hapus</div>
1	KAT1	Elektronik			<div>Edit</div> <div>Hapus</div>
7	CML	Cemilan	2024-03-09T10:30:00.000000Z		<div>Edit</div> <div>Hapus</div>

Showing 1 to 7 of 7 entries

Add